Abstract

LINK TO PAPER

QuakeView: A Quake Warning System for Southern California Edison

Track: Application Development

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A research team in the California State Polytechnic University, Pomona has developed a GIS-based earthquake warning software package called QuakeView for Southern California Edison (SCE). QuakeView is the core module of the SCE emergency preparedness system. It estimates wave fronts of earthquakes. It consists of two primary components: the earthquake simulation and the application environment. The earthquake simulation, a Java-based application, acquires real-time earthquake data and processes the incoming data into the application environment through a TCP/IP connection to the application environment. The application environment contains the earthquake data processing server, the real-time event tracking server, and an ArcView client application and is responsible for the display of satellite receiver status and real-time wave fronts an earthquake creates.

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